ATTACHMENT 005 TO SOLICITATION W56HZV-07-R-0315

REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL) REQUIREMENTS

1.0 PREPARATION INSTRUCTIONS. The contractor shall prepare and deliver a RPSTL TM, TM 9-XXXX-XXX-23P AND TM 9-XXXX-XXX-40P, in accordance with (IAW) the requirements, quantities, and schedules set forth in the Contract Data Requirements Lists (DD Form 1423), this Attachment and Attachment 4 Publications Requirements. NOTE: Use of Functional Group Code (FGC) (TB 750-93-1) sequencing is required.

1.1 Draft Equipment Publication (DEP).   The contractor shall deliver a validated DEP, which consists of:

1.1.1 Draft cover, front matter, introduction (Work Package 1). Submit on 8 ½ X 11-in. bond in single-spaced manuscript format.

1.1.2 Draft Illustrations. Submit on 8 ½ X 11-in. bond.

1.1.3 Draft RPSTL output (Work Packages 2 and 3).

1.1.4 Draft RPSTL Index output (Work Package 4). Submit draft RPSTL Index with the same Julian date as the draft RPSTL being submitted (Julian date is located on the upper left-hand corner of the Draft and Index cover sheet). DEP shall be delivered in quantity stated on DD Form 1423.   For DEP, illustrations need not be inked and may have hand-written callouts but shall be in final format and complete content. Illustrations shall be exploded view and detailed line drawings as needed; engineer drawings are NOT acceptable. DEP may contain hand written corrections, as long as such corrections do not affect more than 10% of RPSTL line item entries. All annotations, however, must be clearly legible, and parts list corrections for non-RPSTL Technical Manual (TM) data elements must accompany transactions to correct the Provisioning Master Record (PMR).

1.2 Final DEP (FDEP). FDEP deliverable shall consist of:

1.2.1 Original Final Reproducible Copy (FRC) of final RPSTL: Cover, front matter, introduction, Work Package 2 II Parts List with illustrations, Work Package 3 Special Tools List, and Work Package 4 Indexes.

1.2.2 PDF copy of approved FDEP on Compact Disk-Read Only Memory (CD-ROM) and editable copy delivered on CD-ROM as stated on DD Form 1423.

1.2.3 Copies of FDEP in quantity stated on DD Form 1423, each copy reproduced back-to-back and punched for standard 3-hole binder.

1.2.4 Proof RPSTL output

1.3 FDEP Copy Deliverable. If required by DD Form 1423, the Contractor shall deliver FDEP copies for Government review and approval prior to delivery of FDEP FRC with additional copies. This submission before FRC delivery, when procured, helps avoid unnecessary handling or shipment of FRC materials.

2.0 SPECIFICATIONS. The following specifications shall apply. Contractor shall use latest edition available at time of award.

2.1 MIL-STD-40051A, DoD Standard Practice, Preparation of Digital Technical Information for Page-Based TMs.

2.2 MIL-HDBK-1222C (TM), DoD Handbook, Guide to the General Style and Format of US Army Work Package TMs. This Handbook contains style and format guidance for paper/PDF TMs. It should be used in conjunction with MIL-STD-40051-2.

2.3 ADSM 18-LEA-JBE-ZZZ-UM-05 (dated 9 May 97), Automated Data Systems Manual Commodity Command Standard System Users Manual, RPSTL.

2.4 ADSM 18-LEA-JBE-ZZZ-UM-06 (dated 15 Apr 02), Automated Data System Manual Commodity Command Standard System Users Manual, Provisioning System.

2.5 TB 750-93-1 (with Change 5, Dated 27 Jun 1983) Functional Grouping Codes (FGC): Combat, Tactical, and Support Vehicles and Special Purpose Equipment. SEE NOTE IN PARAGRAPH 1 REGARDING USE OF FGCs.

3.0 CLARFIFICATION OF SPECIFICATIONS. Requirements of the governing specifications are clarified as follows:

3.1 MIL-HDBK-1222A:

Reference (Paragraph)	Clarification
B.5.5	Line drawings including exploded views, locator views, and detailed views should be used to support the operational, troubleshooting, and maintenance procedures. Line drawings should be of high reproduction quality.

3.2 MIL-STD-40051-2:

Reference (Paragraph)	Clarification
5.3.1	Separate RPSTL TM shall be developed.

3.2.1 All FGCs, including Subgroup codes, listed in the Maintenance Allocation Chart (MAC) that are applicable to the maintenance level of the RPSTL shall be listed in the table of contents. If the RPSTL TM includes National or Sustainment Level parts the statement "(Including Sustainment Maintenance Repair Parts)" shall be added to the title of the RPSTL TM.

3.2.2 The Repair Parts List shall be in ascending numerical order by functional groups as listed in the MAC. Group numbers shall be assigned IAW TB 750-93-1. Figures shall be numbered in ascending sequence throughout the manual.

3.2.3 Additional description or extended nomenclature to the approved federal item name in the provisioning file should be limited. Only information essential to identifying the assembly or part shall be added (such as "left," "right," "make from...") except for the following: bolts and screws shall include the size, length, thread class and grade, following the item name. Multiple shims shall include individual shim sizes. When an assembly is the last item in a given figure and its repair parts are illustrated in the figure immediately following, the parts shall be indented one space more than the assembly.

3.2.4 When an assembly and its parts are in the same figure, the parts shall be indented one space further right than the assembly.

3.2.5 Kit listing shall be in a separate FGC titled "GROUP 9401 REPAIR KITS." Kits shall fall out in ascending alphanumeric part number sequence (an automatic sort from correct data entry) and shall not be assigned item numbers.

3.2.6 Kit repair parts shall be listed with their applicable figure and appear in item number sequence.   The statement "PART OF KIT P/N (kit P/N)" shall follow the item name. This statement appears automatically through correct use of the provisioning and RPSTL data entry process. This statement shall not be manually input on an "N" card.

3.2.7 Only one FGC shall appear in a figure. The headers for lists shall be all caps and shall contain the same basic wording and information as the associated figure title and functional group title used in the MAC and TB 750-93-1. See example in clarification of ADSM 18-LEA-JBE-ZZZ-UM-05 below. Figure numbers and titles on illustrations shall be upper case for the first letter of principle words.

3.3 TB 750-93-1:

Reference (Paragraph)	Clarification
6	Add component FGC "94 Kits."
7	Add component FGC "94 Kits." Add subgroup code "9401 Kits and Related Parts."

ADSM-05 Para 6.5.3	ADSM-06 App G	Clarification
Basis of Issue (BOI) Level	CFI M BOI-LVL-1	When entering RPSTL data for a special tool or special tool kit, certain data can be entered to obtain one or more messages in the proof RPSTL. The Government will provide BOI requirements.
	CFI A IND-CD	When entering RPSTL data for an item that is part of a kit (i.e., item source-coded KD, KF, KB), an asterisk shall be entered. (For entry via electronic media, see the provisioning portion of this contract.)
Next Higher Assembly (NHA) PLISN	CFI D NHA-PLISN	When entering RPSTL data for an item that is part of a kit (i.e., item source-coded KD, KF, KB), two PLISNs shall be entered in this block: the kit PLISN and the assembly PLISN on which the kit repair part is used. (For entry via electronic media, see the provisioning portion of this contract.)
NHA-PLISN (6th Position)	CFI D NHA-IND	RPSTL data entry for an item that is part of a kit (i.e., item source coded KD, KF, KB) shall have an asterisk entered for the kit PLISN (not for the assembly-on-which-kit is used PLISN). (For entry via electronic media, see the provisioning portion of this contract.)

TM-CODE	CFI M TM-CD (and)CFI N TM-CD	Government will provide TM Code.
FIG-NO	CFI M FIG-No.(and) CFI N FIG No.	For RPSTL data entry for a kit: "KITS" shall be entered. For RPSTL data entry for 1 bulk material: "BULK" shall be entered in this four-character field.
ITEM-NR	CFI M ITEM-NR (and) CFI-N ITEM NR	Entry shall be right justified. Do not zero fill unused blocks. For RPSTL data entry for a kit or entry for bulk material, entry shall be blank.
TM-CH-NO.	CFI M TM CHG-NO.	For new or revised RPSTLs, leave blank. For a TM Change publication, entry is right justified, zero filled.
TM-IND-CD	CFI M TM-IND-CD	If no indenture is required, leave blank; do not enter zero. Entering a Number causes nomenclature to indent said number of spaces. Shows an item's relationship within an assembly. This relationship is also indicated by NHA PLISN and both shall agree. Indenture shall not exceed 5 spaces. For RPSTL data entry for a kit, leave blank. For RPSTL data entry for a bulk item, leave blank.
QTY-PER-FIG	CFI M QTY-PER-FIG	Numeric entry shall be right justified with unused characters zero-filled. "V" (for variable) shall be left-justified, no zero fill (remaining characters blank). For RPSTL data entry for a kit, the quantity per figure shall be equal to the number of assemblies on which the kit is used. For special tool, special tool kit, and tool within special tool kit RPSTL data entry, leave blank.
TM-FGC	CFI M FUNC-CD	In building and accessing a RPSTL workfile, the automated process sorts and sequences RPSTL data by TM Code, by TM FGC and then item number (not figure number). Therefore, a unique and sequential extended FGC must be entered for each figure in the RPSTL. Unless otherwise determined at start of work meeting, or otherwise required for TM Change preparation due to existing FUNC-CD file structure, extended FGCs shall be as follows: For items other than kits, bulk material, special tools, special tool kits and tools within a special tool kit, enter the four-digit FGC in first four characters. Leave 5th character blank. 6th through 9th characters shall contain the figure number, right justified, with unused blocks zero filled. 10th and 11th characters shall be blank. For a kit RPSTL data entry, enter kit FGC "9401" in first four characters. Leave 5th character blank. 6th through 8th characters shall have "KIT" entered. 9th

		through 11th characters shall contain kit sequencing number, determined as follows: Kits shall appear in part number sequence in FGC 9401. First kit shall have 010 in 9th through 11th characters, second kit shall have 020, and so on. This method permits addition of kits to the FGC. For a bulk material RPSTL data entry, enter bulk material FGC "9501" in 1st through 4th characters. Leave 5th character blank. 6th through 9th characters shall have "BULK" entered. 10th and 11th characters shall be blank. For a special tool a special tool kit, or a tool within special tool kit RPSTL data entry, enter FGC "2604" in 1st through 4th characters. Leave 5th character blank. In 6th through 9th character enter figure number, right justified, with unused blocks zero filled. 10th and 11th characters shall be blank.
PROV-NOMEN	CFI N PROV-NOMEN	Extended nomenclature, only as required, shall be entered. Entry shall be left justified, except for RPSTL data entry for a tool in a special tool kit. For RPSTL data entry for a tool in a special tool kit: quantity statement shall be entered right justified (example: QTY: 1 PER SET). For RPSTL data entry for a manufactured item (i.e., item source-coded MO, MF, MH, ML or MD), entry shall be "MAKE FROM (enter applicable bulk material or other replaceable item name) P/N (enter number) and associated CAGE Code." Do not enter kit identification data for kit parts (i.e. parts coded KD, KF or KB). "PART OF KIT…" information automatically prints out when kit part data is properly entered elsewhere. Extended nomenclature includes dimension or size information only when like items may be confused unless further identified by dimension or size (for example, oversize parts, shims, and gaskets), or when describing bolts, nuts and screws.

4.0 DELIVERY SCHEDULE. Deliver RPSTL products IAW with DD Form 1423.

5.0 GOVERNMENT FURNISHED INFORMATION. The Government will furnish the following information:

5.1   TM Number and TM Code at start of work.

5.2   BOI information as needed during the provisioning process.

5.3   Specifications cited if required.

5.4   Validation Reject Listing or other provisioning file outputs described by ADSM-18-LEA-JBE-ZZZ-UM-06, paragraph 3.4.1 (as required or requested by contractor).

6.0   ORDERING DATA.

6.1   The RPSTL is a separate manual, TM 9-XXXX-XXX-23P AND TM-XXXX-XXX-40P.

6.2   The maintenance level(s) to be covered are as determined during the provisioning process.

6.3

6.4   "Reporting Errors and Recommending Improvements" statement will be furnished at the start of work meeting.

6.5   Manual title is as furnished with TM Number, TM Code during start of work and as modified as a result of provisioning process.

6.6   This end item RPSTL is used to support all approved IVMMD configurations.

6.7   Contractor shall notify Government in advance of abbreviations used which are not contained in ASME-Y14.38.

6.8   Illustration identification numbers are not required.

6.9   The MAC or changes thereto will be drafted by the contractor and approved by the Government.

6.10   In-process reviews will be held.

6.11   See DD Form 1423 for TM Content Matrix.

6.12   RPSTL Change: To be negotiated as needed.

6.13   When the Government accepts a manuscript with the provision that errors will be corrected, the contractor must correct errors within 30 calendar days following notification, at no cost to the Government.

7.0 VALIDATION.   The contractor shall validate the DEP IAW with Paragraph 10 below and with Attachment 4 Publication Requirements.

8.0 VERIFICATION. Government verification shall be performed IAW Paragraph 10 below and with Attachment 4 Publication Requirements and the following: Government may also observe contractor validation,

test contents at Government hands-on verification of narrative manuals, and review contractor validation and quality assurance records as part of our verification.

9.0 QUALITY ASSURANCE/QUALITY CONTROL.

9.1 The Contractor shall be responsible for the quality of the RPSTL and for developing effective processes to develop, test and inspect the deliverables, ensuring technical accuracy, usability, completeness (within the scope of the contract), consistency and generally meet contract requirements prior to delivery.

9.2 The Contractor shall support In Process Reviews (IPRs) by providing samples of work accomplished to date or other requested data and identify improvements to your manuals, data or QA process required as a result of IPR comments. We may witness your validation of RPSTL data as part of the supplemental data and ETM process.

9.3 The Government may use the RPSTL when testing the end item(s) to determine their accuracy and usability.

9.4 The Government will evaluate the RPSTL for compliance to contract requirements to determine acceptance. Our usability standard for acceptance of a TM, in addition to requirements already stated, will be based on our determination that all information is presented in such a way that it can be easily identified and found, read and understood, and includes illustration support as needed.

9.5 If the Government finds errors or deficiencies in your deliveries during our reviews or testing the Contractor shall correct them at no additional cost to the government.

10.0 DESCRIPTION OF RPSTL DEVELOPMENT PROCESS.

10.1 Preparation of the RPSTL shall be accomplished in four phases: input phase, draft retrieval/validation phase, verification phase and FRC production phase.

10.2 Phase I: Input Phase. During the input phase, the contractor shall perform the following tasks:

10.2.1 Using appropriate source data, (examples provisioning file data, engineering drawing, approved end item configuration, MAC) identify the items to be included in the RPSTL.

10.2.2 Assign basic four-digit FGC IAW TB 750-93-1.

10.2.3 Develop draft illustrations (illustrations shall be exploded view line drawings and detail drawings as needed; half tones and engineer drawings are not allowed).

10.2.4 Develop RPSTL TM data elements. Enter this data into the PMR. Or using the batch method (via electronic media) using 80-column worksheet format with entries in columns defined by ADSM 18-LEA-JBE-ZZZ-UM-06 for "M" and "N" card data and defined by MIL-PRF-49506 for non-"M" or "N" card data. RPSTL TM data elements include:

- Technical manual code (key data element)
- Figure number (key data element)
- Item number (key data element)
- Technical manual change code (for TM Change publications only)

- Technical manual indenture code
- Quantity per figure
- Technical manual FGC (extended code to provide RPSTL sequencing)(key data element except for "N" card)
- Provisioning nomenclature (extended nomenclature, only as required in addition to provisioning item name)
- Basis of issue level (as applicable for special tool or special tool kit only)
- Indenture code asterisk, NHA PLISNs and NHA indenture (only for items that are part of a kit)

10.2.5 Using Validation Reject Listing, PTD Transaction History, File Maintenance Reject Report, RPSTL Edit List and other appropriate outputs, the contractor shall input transactions to correct rejects or provide missing data. Contractor shall repeat this step until all items are input into the PMR correctly.

10.3 Phase II: Retrieval/Validation Phase. During this phase, the following tasks shall be accomplished:

10.3.1 The contractor shall review RPSTL draft/workfile to insure data is complete and ready for RPSTL validation. If draft/workfile is incorrect or incomplete, contractor shall correct PMR as required

NOTE

Submitting FGC headers after validation is recommended here only to help eliminate post-validation header changes. Headers can be entered into the download by tape as early as when the first parts list download is requested, or can be entered by tape or terminal (using modem) anytime after parts list download exists.

10.4 Phase III: Verification Phase.

10.4.1 The Government will verify the DEP. See paragraph 8.0 (VERIFICATION) above.

10.4.2 Government shall furnish results of the verification to the contractor.

10.4.3 If DEP fails verification, Contractor shall prepare and resubmit validated DEP. (See Attachment 4 Publication Requirements.)

10.5 Phase IV FRC Preparation. During the FRC preparation, after DEP passes verification, the following actions shall be performed:

10.5.1 Contractor shall make parts list and header corrections, if any, into the RPSTL workfile and update the LSA-036 Report.

10.5.2 Contractor shall provide corrections, if any (header card data for instance), required to non-RPSTL TM data elements (non-M and N card CCSS data) to the Government.

10.5.3 Contractor shall make corrections, changes, if any, to cover, front matter, introduction or illustrations and finalize illustrations and text.

10.5.4 After performing final edit to assure FDEP is complete and correct, contractor shall develop .PDF file and deliver FDEP (See Attachment 4 Publication Requirements).

10.5.5 The Government will perform a final edit to insure that the FDEP RPSTL has incorporated all verification comments/corrections and is complete and suitable for reproduction (See Attachment 4 Publication Requirements).